

Solar Domestic Hot Water Project at Woburn Housing Authority

A solar domestic hot water installation was completed in July and August 2011 at the Woburn Housing Authority and this photo shows the rooftop solar collector array. The renewable energy generated at this 100 unit senior housing facility is expected to result in a 50% reduction in the building's domestic hot water bills. The project was funded through a U.S. Department of Energy SERC Grant administered by the MA Department of Housing and Community Development (DHCD) and with funds from the Mass Clean Energy Center (MassCEC).

A solar domestic hot water installation was completed in July and August 2011 at the Woburn Housing Authority. The renewable energy generated at this 100 unit senior housing facility is expected to result in a 50% reduction in the building's domestic hot water bills. The installation at this seven-story building on Campbell Rd. includes twenty 4-by-10 foot solar thermal panels mounted on the rooftop and a hot water storage tank with system controls and monitoring equipment in a basement utility room.

The project was funded through a U.S. Department of Energy SERC (Sustainable Energy Resources for Consumers) Grant which is part of the Massachusetts ARRA Weatherization Assistance Program (ARRA WAP) and with funds from the Mass Clean Energy Center (MassCEC). ARRA WAP and the \$3 million dollar SERC Grant are administered in Massachusetts by the Department of Housing and Community Development (DHCD) and the project is managed locally by the non-profit agencies ABCD, Inc. in Boston and Action, Inc. in Gloucester. The Woburn project is the first of approximately 35 SERC projects which will be completed in Massachusetts. In addition to Solar Domestic Hot Water, there will be two other types of SERC projects: Micro Combined Heat and Power (MCHP) and super-insulation. The projects in Massachusetts show significant potential for replication in other parts of the country.